R_type

4 bits	3 bits	3 bits	4 bits	2 bits
op-code	Rdst	Rsrc	Shmt	funct
			Rdst2 / reserved	

3 bits

B_type

4 bits	3 bits	7 bits	2 bits
op-code	Rdst	reserved	funct

C_type

4 bits	1 bit	9 bits	2 bits
op-code	OP	reserved	funct

S_type

4 bits	3 bits	1 bit	1 bit	5 bits	2 bits
op-code	Rdst	PC	flags	reserved	funct

M_type

4 bits	3 bits	3 bits	4 bits	2 bits
op-code	Rdst	Rsrc	Port	funct

I_type

4 bits	3 bits	2 bits	4 bits	3 bits
op-code	Rdst	reserved	#imm1	funct
immediate value				

NOP

4 bits	12 bits
0000	reserved

CLR_FLAGS

4 bits	12 bits
1001	reserved

CALL

4 bits	3 bits	9 bits
1010	Rdst	reserved

SET_INT

4 bits	12 bits
1011	reserved